

O I P E  
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PATENTS & TRADEMARK OFFICE  
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FORM PTS-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 4172-3	SERIAL NO. 09/678,202
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANT BAR-OR et al.	
		FILING DATE September 29, 2000	GROUP ART 1653

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROP:
<i>DL</i>	1	4,025,499	5/24/77	Thomas	260	112.5	
	*2	4,461,724	7/24/84	Konishi	260	112.5	
	3	4,591,648	5/27/86	Jones et al.	548	344	
	*4	4,665,054	5/12/87	Pickart	514	18	
	5	4,684,624	8/4/87	Hosobuchi et al.	514	15	
	6	4,746,649	5/24/88	Raddatz et al.	514	18	
	*7	4,760,051	7/26/88	Pickart	514	6	
	*8	4,767,753	8/30/88	Pickart	514	18	
<i>DL</i>	*9	4,810,693	3/7/89	Pickart	514	18	
	*10	4,877,770	10/31/89	Pickart	514	18	
	11	4,912,118	3/27/90	Hider et al.	514	332	
	*12	5,023,237	6/11/91	Pickart	514	18	
	*13	5,059,588	10/22/91	Pickart	514	12	
	14	5,087,696	2/11/92	Parker et al.	540	465	
	15	5,101,041	3/31/92	Trottner et al.	548	518	
	16	5,104,865	4/14/92	Hider et al.	514	188	
<i>DL</i>	*17	5,118,665	6/2/92	Pickart	514	6	
	*18	5,120,831	6/9/92	Pickart	530	331	
	*19	5,135,913	8/4/92	Pickart	514	16	
	*20	5,145,838	9/8/92	Pickart	514	18	
	*21	5,164,367	11/17/92	Pickart	514	6	
<i>DL</i>	*22	5,177,061	1/5/93	Pickart	514	18	
	23	5,214,032	5/25/93	Pickart	514	16	
	24	5,227,307	7/13/93	Bar-Or et al.	436	63	
	25	5,290,519	3/1/94	Bar-Or et al.	522	61	
	26	5,252,559	10/12/93	Kronholm et al.	514	18	
	*27	5,348,943	9/20/94	Pickart	514	18	
	28	5,380,747	1/10/95	Medford et al.	514	423	
<i>DL</i>	29	5,382,431	1/17/95	Pickart	424	401	

EXAMINER <i>David L. Hall</i>	DATE CONSIDERED 10/6/03
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U. S. DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE				ATTY. DOCKET NO. 4172-3	SERIAL NO. 09/678,202
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				FILING DATE September 29, 2000	GROUP ART

	30	5,422,096	6/6/95	Lauffer et al.	424	9.363	
	31	5,455,229	10/3/95	Hahn et al.	514	18	
	32	5,470,876	11/28/95	Proctor	514	492	
	33	5,476,939	12/19/95	Johnson	546	141	
	34	5,503,987	4/2/96	Wagner et al.	435	7.94	
	35	5,527,522	6/18/96	Lauffer et al.	424	9.362	
	36	5,538,945	7/23/96	Pallenberg et al.	514	6	
	*37	5,550,183	8/27/96	Pickart	514	6	
	38	5,554,375	9/10/96	Pickart	424	401	
	39	5,585,466	12/17/96	Carter	530	363	
	*40	5,591,711	1/7/97	Koyama et al.	514	6	
	41	5,624,900	4/29/97	Suda et al.	514	13	
	42	5,628,982	5/13/97	Lauffer et al.	424	9.363	
	43	5,631,172	5/20/97	Johnson	436	543	
	44	5,637,311	6/10/97	Pallenberg	424	434	
	45	5,637,578	6/10/97	Riley et al.	514	186	
	46	5,639,624	6/17/97	Wagner et al.	435	7.92	
	47	5,650,134	7/22/97	Albert et al.	424	1.69	
	48	5,654,160	8/5/97	Johnson	435	7.9	
	49	5,663,301	9/2/97	Johnson	530	363	
	50	5,670,627	9/23/97	Johnson	530	388.9	
	51	5,670,645	9/23/97	Johnson	546	141	
	52	5,683,907	11/4/97	Johnson	436	518	
	53	5,710,172	1/20/98	Kukreja et al.	514	400	
	54	5,739,395	4/14/98	Bergeron, Jr.	562	565	
	55	5,770,178	6/23/98	Itaya et al.	424	1.69	
	56	5,776,892	7/7/98	Counts et al.	514	11	
	57	5,780,594	7/14/98	Carter	530	363	
	58	5,785,948	7/28/98	Itaya et al.	424	1.69	
	59	5,786,335	7/28/98	Cody et al.	514	17	
	60	5,807,535	9/15/98	Smith et al.	424	1.65	
	61	5,858,993	1/12/99	Pickart	514	60	
	62	5,874,573	2/23/99	Winchell et al.	540	465	

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<i>dk</i>	63	5,888,522	3/30/99	Pickart	424	401	
	64	5,906,996	5/25/99	Murphy	514	674	
<i>dk</i>	65	5,922,761	7/13/99	Lai	514	476	
	66	5,994,339	11/30/99	Crapo et al.	514	185	
<i>dk</i>	67	6,017,888	1/25/00	Pallenberg et al.	514	19	
	68	6,004,953	12/21/99	Volpin et al.	514	185	
	69	6,022,879	2/8/00	Crow et al.	514	319	
<i>dk</i>	70	6,083,758	7/4/00	Imperiali et al.	436	73	
	71	6,084,093	7/4/00	Riley et al.	540	465	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
<i>dk</i>	72	WO 91/17760	11/1991	PCT				
	73	WO 93/23425	11/1993	PCT				
	74	WO 94/26295	11/1994	PCT				
<i>dk</i>	75	WO 97/44313	11/1997	PCT				
<i>dk</i>	76	WO 97/49409	12/1997	PCT				
	77	WO 98/54138	12/1998	PCT				
	78	WO 99/39706	8/1999	PCT				
	*79	WO 00/20840	4/2000	PCT				
	*80	WO 00/20454	4/2000	PCT				
<i>dk</i>	81	WO 00/36136	6/2000	PCT				
<i>dk</i>	82	327263	1/1989	EPO				
	83	719790	12/1995	EPO				

## OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

<i>dk</i>	84	Adman, <i>Advances in Protein Chemistry</i> , 42:145-197 (1991)
<i>dk</i>	*85	Aitken, <i>Mol. Biotech.</i> , 12:241-253 (1999)
<i>dk</i>	86	Ames et al., <i>Proc. Natl. Acad. Sci. USA</i> , 90:7915-7922 (1993)

EXAMINER <i>David Lally</i>	DATE CONSIDERED <i>10/6/03</i>
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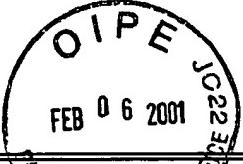
FORM PTG-149 U. S. DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE		ATTY. DOCKET NO. 4172-3	SERIAL NO. 09/678,202
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANT BAR-OR et al.	
		FILING DATE September 29, 2000	GROUP ART

87	Atanasiu et al., <i>Mol. Cell. Biochem.</i> , <b>189</b> :127-135 (1998)
88	Atwood et al., <i>J. Biol. Chem.</i> , <b>273</b> (21):12817-12826 (1998)
89	Aust, <i>Bibl. Nutr. Dieta.</i> Basel, Karger, No. 43, pp. 266-277 (1989)
*90	Bal et al., <i>Chem. Res. Toxicol.</i> , <b>10</b> (8):906-914 (1997)
*91	Bal et al., <i>Chem. Res. Toxicol.</i> , <b>10</b> :915-921 (1997)
92	Beaulieu et al., <i>J. Cerebral Blood Flow and Metabolism</i> , <b>18</b> :1022-1031 (1998)
93	Belayev et al., <i>J. Neurotrauma</i> , <b>16</b> (6):445-453 (1999)
94	Bossu et al., <i>Inorganic Chemistry</i> , <b>17</b> (4):1034-1042 (1978)
95	Bourdon et al., <i>FASEB J.</i> , <b>13</b> :233-244 (1999)
96	Buranaprapuk et al., <i>Biochim Biophys Acta</i> , <b>1387</b> :309-316 (1998)
97	Calabrese et al., <i>Biochem. J.</i> , <b>238</b> :291-295 (1986)
98	Canters et al., <i>FEBS</i> , <b>325</b> (1,2):39-48 (1993)
99	Chakrabarti, <i>Protein Engineering</i> , <b>4</b> (1):57-63 (1990)
*100	Chan et al., <i>Eur. J. Biochem.</i> , <b>227</b> :524-528 (1995)
*101	Cotelle et al., <i>J. Inorganic Biochemistry</i> , <b>46</b> :7-15 (1992)
102	Das et al., <i>Methods in Enzymology</i> , <b>233</b> :601-611 (1994)
103	Davies, <i>J. Biol. Chem.</i> , <b>262</b> (20):9895-9901 (1987)
104	Davies, <i>J. Biol. Chem.</i> , <b>262</b> (20):9902-9907 (1987)
105	Davies, <i>J. Biol. Chem.</i> , <b>262</b> (20):9908-9913 (1987)
106	Davies, <i>J. Biol. Chem.</i> , <b>262</b> (20):9914-9920 (1987)
107	Dunphy et al., <i>Am. J. Physiol.</i> , <b>276</b> :H1591-H1598 (1999)
108	Farkas et al., <i>J. Chem. Soc. Dalton Trans.</i> , pp. 611-614 (1984)
109	Florence, <i>Australian and New Zealand J. Ophthalmol.</i> , <b>23</b> (1):3-7 (1995)
110	Fu et al., <i>Biochem. J.</i> , <b>333</b> :519-525 (1998)
111	Gutteridge et al., <i>Biochim. Biophys. Acta</i> , <b>759</b> :38-41 (1983)
112	Halliwell and Gutteridge, "Free Radicals in Biology and Medicine" pp. 1-21 (2nd ed. Clarendon Press - Oxford 1989)
113	Halliwell et al., <i>Arch. Biochem. Biophys.</i> , <b>280</b> (1):1-8 (1990)
114	Halliwell et al., <i>Arch. Biochem. Biophys.</i> , <b>246</b> (2):501-514 (1986)
*115	Harford et al., <i>Acc. Chem. Res.</i> , <b>30</b> :123-130 (1997)
116	He et al., <i>Biochemistry</i> , <b>38</b> :9704-9711 (1999)
117	Hirose et al., <i>Biochim. Biophys. Acta</i> , <b>1296</b> :103-111 (1996)
118	Hisatomi et al., <i>Transplantation</i> , <b>52</b> (4):754-755 (1991)
119	Huh et al., <i>Brain Res.</i> , <b>804</b> :105-113 (1998)

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<i>David Luton</i>	<i>10/6/03</i>

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120	Keller et al., <i>Chem. Res. Toxicol.</i> , <b>6</b> :430-433 (1993)
121	Kerr et al., <i>Heart Lung</i> , <b>25</b> :200-9 (1996)
122	Khan et al., <i>Biochem. Pharmacol.</i> , <b>43</b> (9):1963-1967 (1992)
123	Knight, <i>Ann. Clin. Lab. Sci.</i> , <b>25</b> (2):111-121 (1995)
124	Koch et al., <i>Chemistry &amp; Biology</i> , <b>4</b> :549-560 (1997)
125	Kowalik-Jankowska et al., "Copper(II) Complexes with Oligopeptides Containing Serine, Methionine or Phenylalanine Residues" pp. 1184-1197 (9/24/1992)
*126	Kowalik-Jankowska et al., <i>J. Inorg. Biochem.</i> , <b>66</b> :193-196 (1997)
*127	Kruck et al., <i>Can. J. Chem.</i> , <b>54</b> :1300-1308 (1976)
*128	Lappin et al., <i>Inorganic Chemistry</i> , <b>17</b> (6):1630-1634 (1978)
*129	Laussac et al., <i>Biochemistry</i> , <b>23</b> :2832-2838 (1984)
130	Leeuwenburgh et al., <i>Am J. Physiol.</i> , <b>274</b> :R453-R461 (1998)
131	Legrand et al., <i>Biochimie</i> , <b>70</b> :1185-1195 (1988)
132	Little et al., <i>Neurosurgery</i> , <b>9</b> (5):552-558 (1981)
133	Loban et al., <i>Clinical Science</i> , <b>93</b> :445-451 (1997)
134	Machonkin et al., <i>Biochemistry</i> , <b>37</b> :9570-9578 (1998)
135	Malins et al., <i>Proc. Natl. Acad. Sci USA</i> , <b>93</b> :2557-2565 (1996)
136	Malmström et al., <i>Curr Op. Chem. Biol.</i> , <b>2</b> :286-292 (1998)
137	Manso, <i>Rev. Port. Cardiol.</i> , <b>11</b> (11):997-999 (1992)
138	Maret et al., <i>Methods in Enzymology</i> , <b>226</b> :52-71 (1993)
*139	Marx et al., <i>Biochem. J.</i> , <b>236</b> :397-400 (1985)
140	Masuoka et al., <i>J. Biol. Chem.</i> , <b>268</b> (29):21533-21537 (1993)
141	McGuirl et al., <i>Curr. Op. Chem. Biol.</i> , <b>3</b> :138-144 (1999)
142	Miller et al., <i>Arch. Biochem. Biophys.</i> , <b>295</b> (2):240-246 (1992)
*143	Mlynarz et al., "α-Hydroxymethylserine (HMS) Makes HMS-HMS-His the Most Efficient Tripeptide Ligand for Cu <sup>2+</sup> Ions" (1998) Speciation 98:Abstract
144	Musci et al., <i>Arch. Biochem. Biophys.</i> , <b>306</b> (1):111-118 (1993)
145	Praticò et al., <i>J. Clin. Invest.</i> , <b>100</b> (8):2028-2034 (1997)
*146	Predki et al., <i>Biochem. J.</i> , <b>287</b> :211-215 (1992)
*147	Quinlan et al., <i>J. Pharm. Sci.</i> , <b>81</b> (7):611-614 (1992)
148	Rao et al., <i>Ann. Thorac. Surg.</i> , <b>52</b> :908-12 (1991)
149	Regan, <i>Annu. Rev. Biophys. Biomol. Struct.</i> , <b>22</b> :257-81 (1993)
150	Regan, <i>TIBS</i> 20, pp. 280-285 (1995)
151	Remmers et al., <i>Brain Research</i> , <b>827</b> :237-242 (1999)

EXAMINER	David Lettay	DATE CONSIDERED	10/6/03
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152	Rosenthal et al., <i>Free Radical Biology &amp; Medicine</i> , <b>12</b> :29-33 (1992)
153	Röth, <i>Acta Chirurgica Hungarica</i> , <b>36</b> (1-4):302-305 (1997)
154	Rupp et al., <i>Biochim. Biophys. Acta.</i> , <b>446</b> :151-165 (1976)
155	Russell et al., <i>Free Radical Biology &amp; Medicine</i> , <b>25</b> (2):153-159 (1998)
156	Rylkov et al., <i>Eur. J. Biochem.</i> , <b>197</b> :185-189 (1991)
*157	Sadler et al., <i>Eur. J. Biochem.</i> , <b>220</b> :193-200 (1994)
158	Salvemini et al., <i>Science</i> , <b>286</b> :304-306 (1999)
159	Si et al., <i>GLIA</i> , <b>21</b> :413-418 (1997)
160	Smith et al., <i>J. Histochem. Cytochem.</i> , <b>46</b> :731-735 (1998)
*161	Spencer et al., <i>J. Cardiovasc. Pharmacol.</i> , <b>32</b> (3):343-348 (1998)
162	Stohs, <i>J. Basic &amp; Clin. Physiol. Pharmacol.</i> , <b>6</b> (3-4):205-229 (1995)
163	Süzer et al., <i>Pharmacol. Res.</i> , <b>37</b> (2):97-101 (1998)
*164	Ueda et al., <i>J. Inorgan. Biochem.</i> , <b>55</b> :123-130 (1994)
*165	Ueda et al., <i>Chem. Pharm. Bull.</i> , <b>43</b> (2):359-361 (1995)
*166	Ueda et al., <i>Free Radical Biology &amp; Medicine</i> , <b>18</b> (5):929-933 (1995)
167	Whittal et al., <i>Protein Science</i> , <b>9</b> :332-343 (2000)
168	Wolff et al., <i>TIBS</i> <b>11</b> , pp. 27-31 (1986)
169	Wysocki et al., <i>Coronary Artery Disease</i> , <b>4</b> :645-647 (1993)
170	Yamada et al., <i>Biochem. Mol. Biol. Intl.</i> , <b>46</b> (4):733-738 (1998)

EXAMINER <i>David Seltan</i>	DATE CONSIDERED <i>10/6/03</i>
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